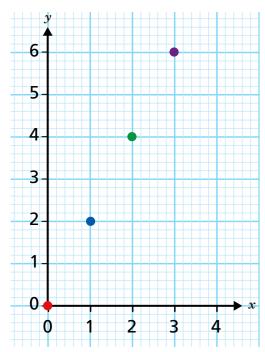


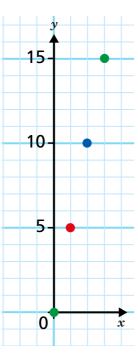
Recognise and use lines of the form y = kx







b)



times-table

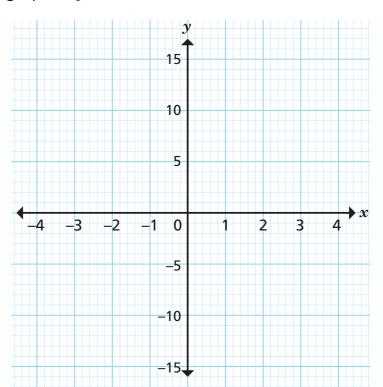


2) a) Complete the table of values for y = 4x.

x	-2	-1	0		2	
у	-8			4		12

b) Write the values in the table as coordinates.

c) Plot the graph of y = 4x.



d) Complete the sentence.

	1
On the graph $y = 4x$, the y-coordinate is always	times the
-coordinate.	

3) a) Complete the table of values for y = 3x.

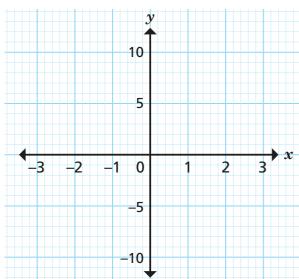
Use values of x from -2 to 2

x			
у			

b) Write the values in the table as coordinates.

(,), (,),	, (,),
(,), (,)			

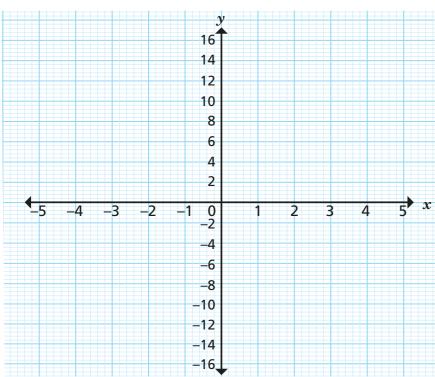
c) Plot the graph of y = 3x.



d) Complete the sentence.

On the graph y = 3x, the y-coordinate is always times the ____-coordinate.

4) Here is a blank coordinate grid.



a) Plot the graphs on the same grid. Label each graph.

 $\mathbf{A} \quad y = 2x$

- **B** y = 5x
- **C** $y = \frac{1}{2}x$
- **b)** What do you notice?
- c) Complete the sentences to describe lines of the form y = kx

The $___$ the value of k, the $___$ the line.

All lines will go through the point _____



5



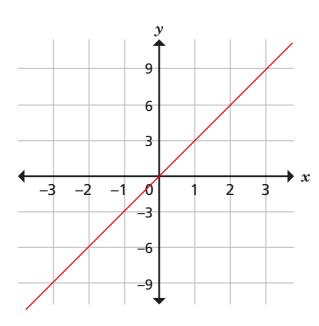
This is the graph of y = x.

This is the graph of y = 3x.



Amir

Eva



Who is correct?	

Explain your reasons.

6 Put the graphs in order of steepness.

$$y - 3x = 0$$

$$y = x$$

$$3y = x$$

$$x = 3$$





